AIWA®

SERVICE MANUAL

S/M Code No. 85-030
DATE OF ISSUE 6/1985

FM/AM STEREO RADIO CASSETTE PLAYER

MODEL NO.

HS-T06, T200

TYPE. Y

SPECIFICATIONS

<Radio Section>

Frequency range: FM: 88—108 MHz
AM: 530—1,605 kHz

Antenna: FM headphone antenna
AM ferrite bar antenna

<Tape Section>

Track arrangement: 4-track, 2-channel, stereo

Frequency range: 40 to 12,500 Hz (NORMAL tape)
40 to 16,000 Hz (METAL tape)

Maximum output: 15 mW+15 mW (EIAJ/40 Ω)

Output terminal: Phones jack, 3.5 φ stereo mini ×1

Power source: Battery DC 3 V R6P (SUM-3, AA, LR-6) ×2
Domestic AC power (using optional AC adapter)

Battery life:
- Using manganese batteries (R6P, SUM-3, AA)
  Approx. 3.5 hours (EIAJ, 1 mW output, playback mode)
- Using alkaline batteries (LR-6, AA)
  Approx. 7 hours (EIAJ, 1 mW output, playback mode)

Dimensions: 85 (H) ×114 (W) ×33.5 (D) mm
(excluding any projecting parts)

Maximum dimensions: 90.5 (H) ×115.8 (W) ×33.7 (D) mm

Weight: 320 g (including batteries)

- Design and specifications are subject to change without notice.

Follow the instructions carefully, which will allow the user to optimise the products' performance and give many years of serivce.

1. **No illegibility shall be given to the specification plate, the caution labels, the fuse labels and others.**
2. **When, on pattern sides of circuit boards, additional repair-parts have been made up, the parts shall be firmly glued to circuit boards or other components, unless the parts can be attached firmly.**
3. **The following matters shall be maintained as they are, when repairing.**
   1) Soldering of lead-wire ends
   2) Wiring and holding of lead-wires with wire-clips and binders
   3) Materials of lead-wires
   4) Location of all kinds of insulators
4. **General instructions for mechanism repair**
   1) The heads, capstan and pinch roller shall be cleaned of good quality alcohol after repaired, because dirty heads shall cause distorted sounds while dirty capstan and pinch roller shall occur wow/flutter and take-up fault.
   2) Lubricants been stained the surfaces of transmitting portion of the belts, idlers, capstan and pinch roller shall be removed, because slippery and faulty tape travel shall be caused.
   3) When oiling, only one or two drops shall be applied so as not to run over and be dispersed. Note should be taken of the metal fitting for the capstan and rotating portions of the idlers and pinch roller, especially.
   4) E-rings and poly slider washers shall be replaced with new ones, if once those have been removed. – No re-utilization due to unreliability.
   5) Regular spare-parts shall always be used for repair, because using irregular parts and tampering with the products shall cause deterioration, mulfunction and damage.

☆ **MEMO** ☆

ELECTRICAL MAIN PARTS LIST

- +++ mark denotes a component of assembled part which part code is represented by a previously stated component.
- ★-mark means less required items and availabilities may be limited.

CAPACITORS
No mark, U, UF: μF
P, PF : pF

COILS
MMH: mH
UH : μH

FUSE
MMA: mA

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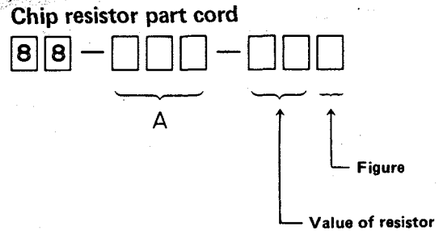
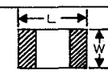
Ref. No.	Part No.	Description
=== IC ===		
	87-020-447	IC,TA7373F
	87-020-234	IC,TA7688F(S)
	87-020-235	IC,TA7709F(S)
	87-020-459	IC,BA1102F
	87-020-460	IC,CX20111
=== TRANSISTOR ===		
	89-502-113	FET 2SK211 O.Y
	87-026-213	TRANSISTOR,DTC114YK
	89-112-134	TRANSISTOR,CHIP 2SA1213Y
	89-327-125	TRANSISTOR,CHIP 2SC2712 GR
=== MAIN CIRCUIT BOARD SECTION ===		
PCB-A	84-400-601	MAIN CIRCUIT BOARD
BPF1	* 87-030-103	FILTER BP MBL 6.5
C1	* 87-010-147	CAP,CHIP S 3P
C2	* 87-010-147	CAP,CHIP S 3P
C3	* 87-010-149	CAP,CHIP S 5P
C4	* 87-010-091	CAP,CHIP 22P CH
C5	* 87-010-315	CAP,CHIP S 27P CH
C6	* 87-010-197	CAP,CHIP 0.01DM
C7	* 87-010-197	CAP,CHIP 0.01DM
C8	* 87-010-075	CAP,ELECT 10-16
C9	* 87-010-197	CAP,CHIP 0.01DM
C10	* 87-010-194	CAP,CHIP 0.047
C11	* 87-010-193	CAP,CHIP 0.033
C12	* 87-010-115	CAP,ELECT 100-4
C13	* 87-010-075	CAP,ELECT 10-16
C14	* 87-010-072	CAP,ELECT 2.2-50
C15	* 87-010-072	CAP,ELECT 2.2-50
C16	* 87-010-197	CAP,CHIP 0.01DM
C17	* 87-010-197	CAP,CHIP 0.01DM
C18	* 87-010-072	CAP,ELECT 2.2-50
C19	* 87-010-072	CAP,ELECT 2.2-50
C20	* 87-010-072	CAP,ELECT 2.2-50
C21	* 87-010-188	CAP,CHIP 6800P (EXCEPT YU)
C21	* 87-010-197	CAP,CHIP 0.01DM (YU ONLY)
C22	* 87-010-188	CAP,CHIP 6800P (EXCEPT YU)
C22	* 87-010-197	CAP,CHIP 0.01DM (YU ONLY)
C23	* 87-010-194	CAP,CHIP 0.047
C24	* 87-010-194	CAP,CHIP 0.047
C25	* 87-010-196	CAP,CHIP 0.1
C26	* 87-014-047	CAP,PP 390P
C27	* 87-010-170	CAP,CHIP 220P
C28	* 87-010-321	CAP,CHIP 82P CH
C29	* 87-010-321	CAP,CHIP 82P CH
C101	* 87-010-178	CAP,CHIP 1000P
C102	* 87-010-178	CAP,CHIP 1000P
C103	* 87-010-220	CAP,CHIP 0.018
C104	* 87-010-220	CAP,CHIP 0.018
C105	* 87-010-114	CAP,ELECT 47-4
C106	* 87-010-114	CAP,ELECT 47-4
C107	* 87-010-220	CAP,CHIP 0.018
C108	* 87-010-220	CAP,CHIP 0.018
C109	* 87-010-072	CAP,ELECT 2.2-50
C110	* 87-010-072	CAP,ELECT 2.2-50
C111	* 87-010-178	CAP,CHIP 1000P
C112	* 87-010-178	CAP,CHIP 1000P
C113	* 87-010-178	CAP,CHIP 1000P
C114	* 87-010-178	CAP,CHIP 1000P
C115	* 87-010-193	CAP,CHIP 0.033
C116	* 87-010-193	CAP,CHIP 0.033
C117	* 87-010-186	CAP,CHIP 4700P
C118	* 87-010-186	CAP,CHIP 4700P
C119	* 87-010-072	CAP,ELECT 2.2-50
C120	* 87-010-072	CAP,ELECT 2.2-50
C121	* 87-010-197	CAP,CHIP 0.01DM
C122	* 87-010-197	CAP,CHIP 0.01DM
C123	* 87-010-193	CAP,CHIP 0.033
C124	* 87-010-193	CAP,CHIP 0.033
C125	* 87-010-196	CAP,CHIP 0.1
C126	* 87-010-196	CAP,CHIP 0.1
C127	* 87-010-072	CAP,ELECT 2.2-50
C128	* 87-010-072	CAP,ELECT 2.2-50
C129	* 87-010-178	CAP,CHIP 1000P
C130	* 87-010-178	CAP,CHIP 1000P
C131	* 87-010-082	CAP,ELECT-N 220-4
C132	* 87-010-082	CAP,ELECT-N 220-4
C133	* 87-010-109	CAP,CHIP 0.22
C134	* 87-010-109	CAP,CHIP 0.22
C135	* 87-010-114	CAP,ELECT 47-4
C136	* 87-010-114	CAP,ELECT 47-4
C137	* 87-010-082	CAP,ELECT-N 220-4
C138	* 87-010-114	CAP,ELECT 47-4
C139	* 87-010-075	CAP,ELECT 10-16
C140	* 87-010-114	CAP,ELECT 47-4
C141	* 87-010-082	CAP,ELECT-N 220-4
C142	* 87-010-072	CAP,ELECT 2.2-50
C143	* 87-010-082	CAP,ELECT-N 220-4
C144	* 87-010-196	CAP,CHIP 0.1
C145	* 87-010-321	CAP,CHIP 82P CH
C146	* 87-015-738	CAP,TANTALUM 33/6.3
CF1	* 84-400-611	FM IF KIT DISCRI (SFT 10.7MS3Z) (YZ ONLY)
CF3	+++	FM IF KIT DISCRI (CDA 10.7MG1Z) (YZ ONLY)
CF1	* 84-400-602	FM IF KIT DISCRI (SFT 10.7MS2Z) (EXCEPT YZ)
CF3	+++	FM IF KIT DISCRI (CDA 10.7MG1Z) (EXCEPT YZ)
CF2	* 87-008-284	FILTER,PFB 468J
D1	* 87-020-339	DIODE,CHIP,1SS226
J1	87-049-549	JACK DC (DC 3V)
J2	87-049-585	JACK 3.5ST 2.5 MM (PHONES)
L1	* 87-005-259	COIL,CHIP 3.3UH
L2	* 87-005-259	COIL,CHIP 3.3UH
L3	* 87-005-257	COIL,CHIP 1.5UH
L4	* 87-003-040	COIL,CHOKE 47UH
L5	* 87-007-149	COIL,LOADING 5T
L6	* 87-006-089	BAR ANT MW
L7	* 87-007-130	COIL OSC MW
L8	* 87-006-094	COIL OSC FM
L9	* 87-006-090	COIL ANT FM
L10	* 87-008-285	IFT AM
LED1	* 87-027-636	LED,TLR226 (OPE/BATT)
R139	* 87-025-400	PTR XJ1/8W 0.68/4300
S2	87-031-816	SLIDE SW 1-1-2 (STEREO/MONO,METAL/NORMAL)
S3	87-031-816	SLIDE SW 1-1-2 (DOLBY NR/OFF,FM/AM)
S6	87-031-832	SLIDE SW 1-2-2 (POWER OFF,TAPE/RADIO)
SFR1	* 87-021-883	SFR 500
SFR2	* 87-021-883	SFR 500
SFR3	* 87-021-932	SFR 10K B
SFR4	* 87-021-677	SFR 10KB
TH1	* 87-026-222	THERMISTOR HT-50K
VC1	* 87-011-174	PVC
VC2	+++	PVC
VC3	+++	PVC
VC4	+++	PVC
VR1	81-198-615	VOLUME 10KA (VOLUME)
=== SWITCH CIRCUIT BOARD SECTION ===		
PH	82-400-604	HEAD PH (W/PCB-B)
S1	82-400-606	SLIDE SW R663383
=== MISCELLANEOUS ===		
M1	82-400-605	MOTOR
S5	82-400-607	LEAF SW (TAPE)

Chip resistor part cord



Chip resistor

Power value	Type	Dimensions (mm) Form	L	W	t
1/10W	A:118		2	1.25	0.45
1/8W	A:129		3.2	1.6	0.5 ~0.7

Example of chip resistor

560Ω	88—129—561
10kΩ	88—129—103

t which part code
es may be limited.

CAPACITORS
No mark, U, UF: μF
P, PF : pF

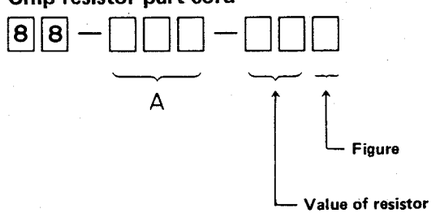
COILS
MMH: mH
UH : μH

FUSE
MMA: mA

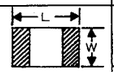
Descripton
.033
700P
700P
2.2-50
2.2-50
.01DM
.01DM
.033
.033
.1
.1
2.2-50
2.2-50
000P
000P
N 220-4
N 220-4
.22
.22
47-4
47-4
N 220-4
47-4
10-16
47-4
N 220-4
2.2-50
N 220-4
.1
2P CH
UM 33/6.3
DISCRI (SFT 10.7MS3Z)
)
DISCRI (CDA 10.7MG1Z)
)
DISCRI (SFT 10.7MS2Z)
YZ)
DISCRI (CDA 10.7MG1Z)
YZ)
468J
,1SS226
C 3V)
2.5 MM (PHONES)
3.3UH
3.3UH
1.5UH
47UH
NG 5T
W
M
M
(OPE/BATT)
0.68/4300
-1-2
MONO,METAL/NORMAL)
-1-2 (DOLBY NR/OFF,FM/AM)
-2-2 (POWER OFF,TAPE/RADIO)
HT-50K

Ref. No.	Part No.	Description
VC1	* 87-011-174	PVC
VC2	+++	PVC
VC3	+++	PVC
VC4	+++	PVC
VR1	81-198-615	VOLUME 10KA (VOLUME)
		=== SWITCH CIRCUIT BOARD SECTION ===
PH	82-400-604	HEAD PH (W/PCB-B)
S1	82-400-606	SLIDE SW R663383
		=== MISCELLANEOUS. ===
M1	82-400-605	MOTOR
S5	82-400-607	LEAF SW (TAPE)

Chip resistor part cord



Chip resistor

Power value	Type	Dimensions (mm)			
		Form	L	W	t
1/10 W	A:118		2	1.25	0.45
1/8 W	A:129		3.2	1.6	0.5 ~0.7

Example of chip resistor

560Ω	88—129—561
10kΩ	88—129—103

☆ **MEMO** ☆

WIRING(HS-T06,T200)

IC1

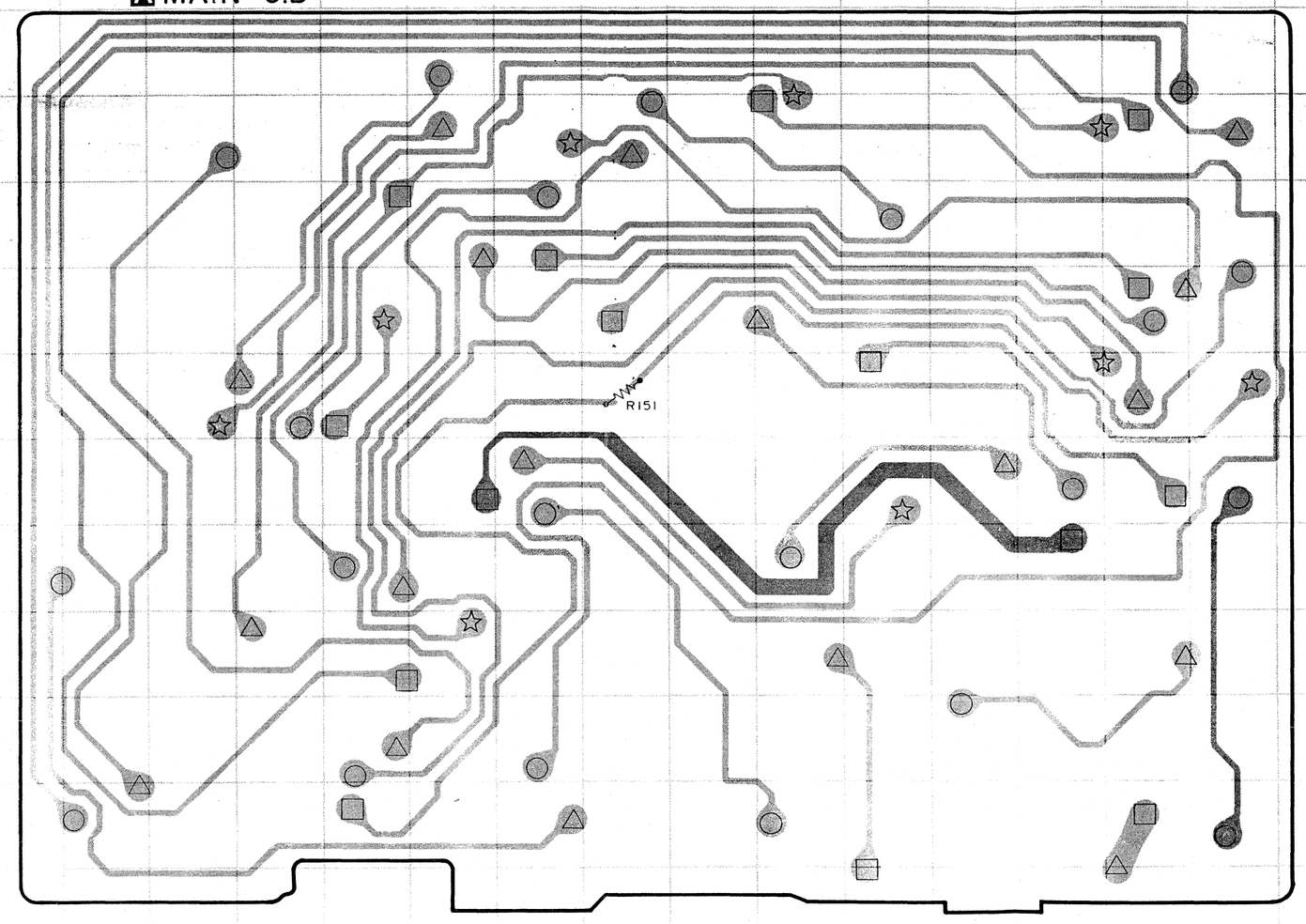
PIN No.	1	2	3	4	5	6	7	8
VOLTAGE	1.4	0	0	1.4	0	0	※1	1.4
PIN No.	9	10	11	12	13	14	15	16
VOLTAGE	1.4	1.6	1.1	0	2.6	1.1	1.6	1.4

※1 0 (MT: 0.85)

IC2 < > : at DOLBY OFF

PIN No.	1	2	3	4	5	6	7	8
VOLTAGE	2.6 <2.6>	1.5 <1.5>	1.5 <1.5>	0.7 <0.7>	1.5 <1.5>	1.5 <1.5>	1.5 <1.5>	1.5 <1.5>
PIN No.	9	10	11	12	13	14	15	16
VOLTAGE	1.5 <1.5>	1.5 <1.5>	0 <0>	0 <0>	0 <0>	0 <0>	0 <0>	1.5 <1.5>
PIN No.	17	18	19	20	21	22	23	24
VOLTAGE	1.5 <1.5>	1.5 <1.5>	1.5 <1.5>	1.5 <1.5>	1.5 <1.5>	0 <0.9>	1.5 <1.5>	1.5 <1.5>

A MAIN C.B



IC3 ( ) : at MUTE

PIN No.	1	2	3	4	5	6	7	8
VOLTAGE	1.7	1.7	1.7	1.7	0 (0.9)	2.6	1.7	0
PIN No.	9	10	11	12	13	14	15	16
VOLTAGE	3	1.7	2.6	2.2	3	1.7	1.7	1.7

IC4

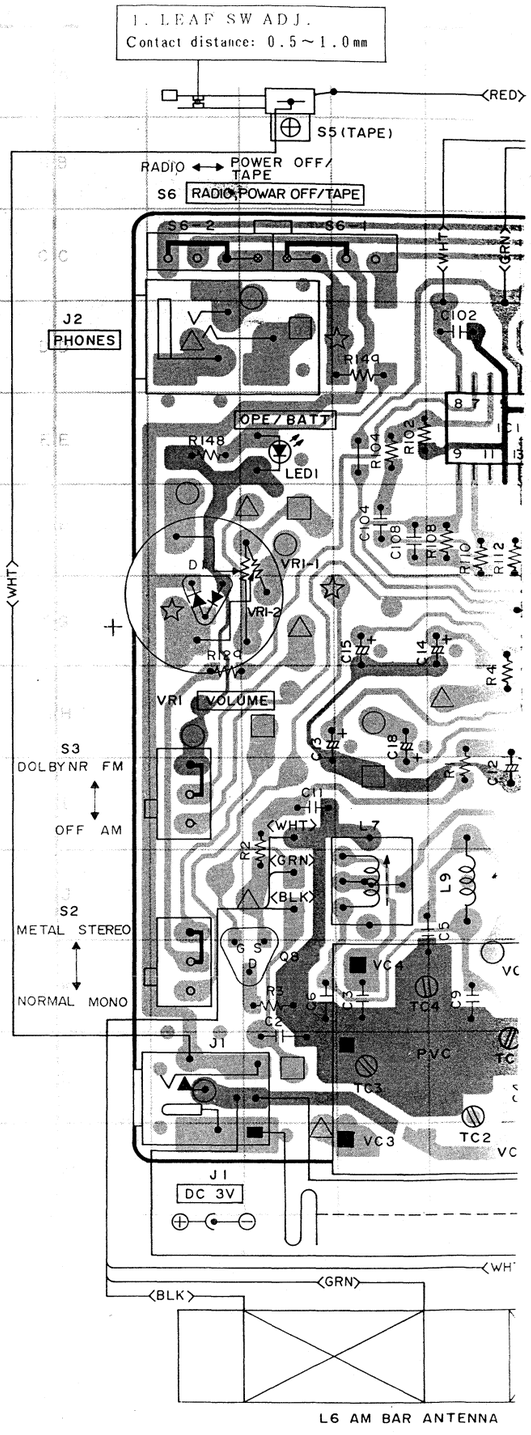
PIN No.	1	2	3	4	5	6	7	8
FM	0	2.0	1.3	1.3	1.3	1.3	1.3	1.3
AM	0	2.6	1.3	1.1	1.3	1.3	1.3	1.3
PIN No.	9	10	11	12	13	14	15	16
FM	0	0.3	0	0.5	1.3	0	1.3	0
AM	0	0	0	0.2	0	0	0	0
PIN No.	17	18	19	20	21	22	23	24
FM	0	0.1	1.2	1.3	1.1	2.6	2.9	0.03
AM	0	0.6	1.4	1.2	0.9	2.6	2.9	0.03

IC5

PIN No.	1	2	3	4	5	6	7	8
VOLTAGE	0.2	2.1	2.6	※2	0	※3	0.9	0.9

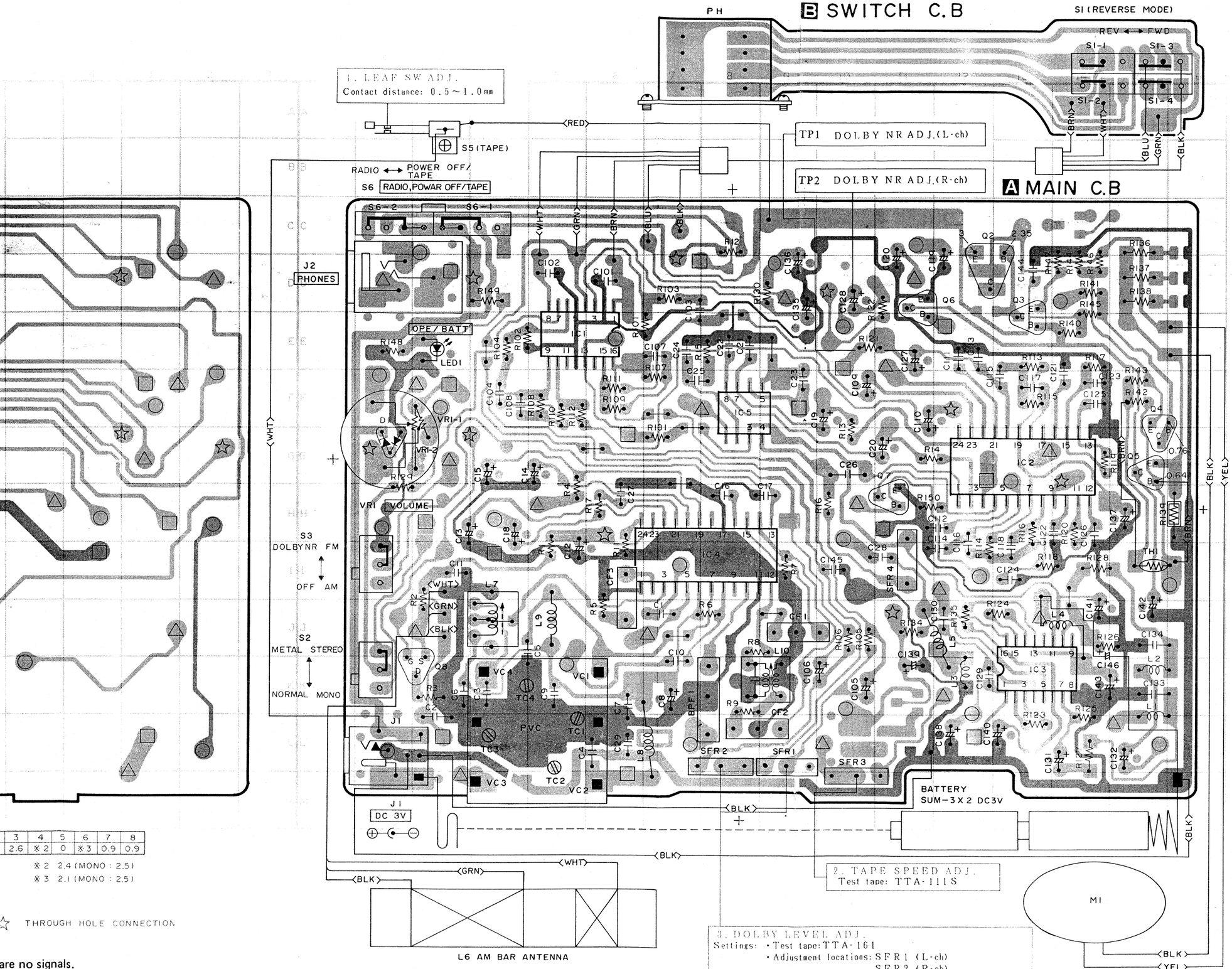
※2 2.4 (MONO : 2.5)
※3 2.1 (MONO : 2.5)

○ △ □ ☆ THROUGH HOLE CONNECTION



NOTES (1) Earth pattern Others pattern

(2) The voltage is the reference value measured with a tester (20 K ohms/V DC) when there are no signals.
But ( ) is with AM reception.



3	4	5	6	7	8
2.6	※2	0	※3	0.9	0.9

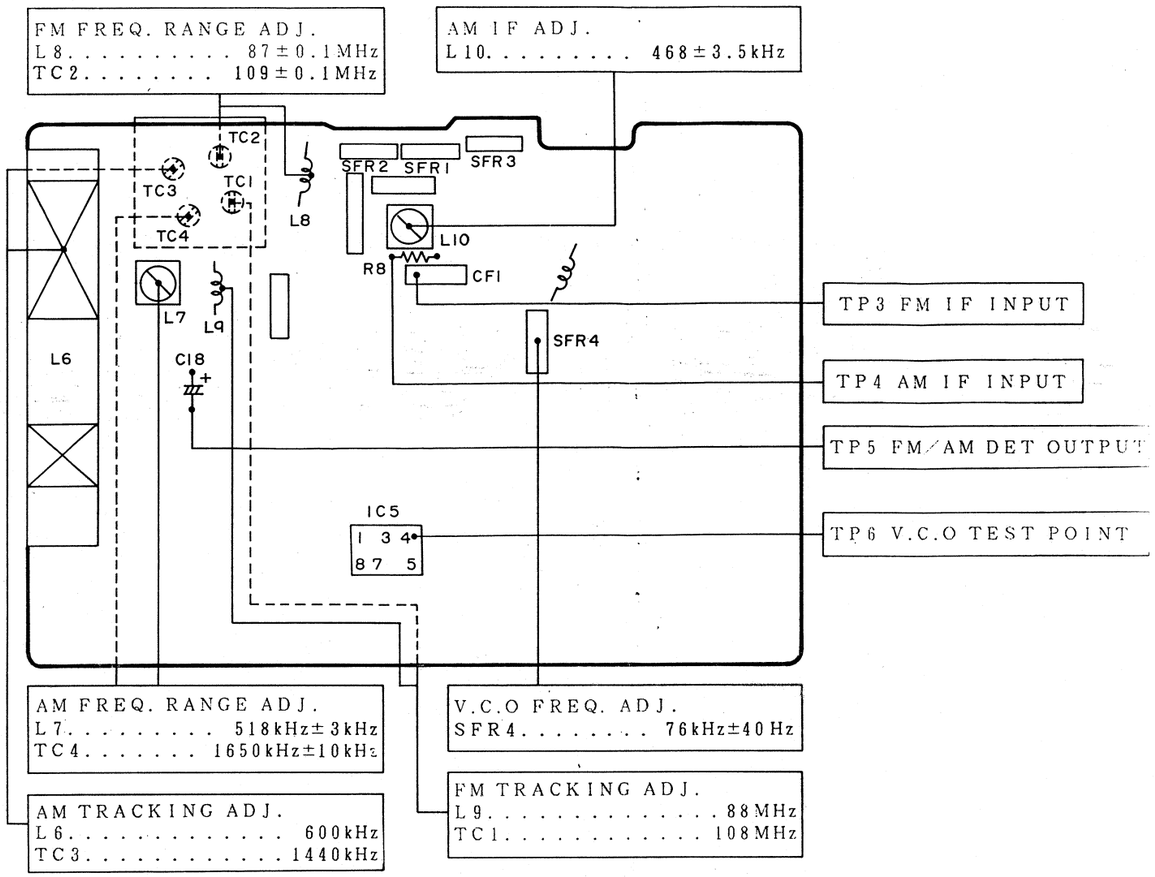
※2 2.4 (MONO : 2.5)
※3 2.1 (MONO : 2.5)

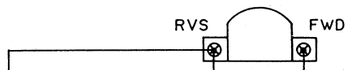
☆ THROUGH HOLE CONNECTION

are no signals.

HS-T06 YS, YR, YB, YGS, YGB, YZS, YZR, YZB T200 YUB YUS HS

ADJUSTMENT(HS-T06,T200)





1. Azimuth adjustment
   1) Play back test tape TTA-113B in the reverse direction, and turn the azimuth adjustment screw for reverse play to adjust so that the level is maximized.
   2) Play back test tape TTA-113B in the forward direction, check that the level is maximum and then lock the azimuth adjustment screw with bond.

2. Head height adjustment ... This adjustment is required when the head is replaced.
   1) Loosen 2 azimuth adjustment screws by approx. 1.5 turns in the state that they are fully tightened.
   2) Check the tape running and then fine-adjust the azimuth adjustment screw so that the tape does not touch the tape guide of the head.
   3) Perform azimuth adjustment.

Practical Service Figure

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<RADIO SECTION>

Sensitivity:	
(IHF, THD 3%)	FM 15±5dB (100MHz)
(S/N 10dB)	AM 48±3dB (1000kHz)
Intermediate frequency:	FM 10.7±0.1MHz
	AM 468±3.5kHz

<TAPE SECTION>

Wow & flutter:	Less than 0.45% (JIS RMS)
Play torque:	25~55g-cm (0.25~0.54mN·m)
F.F/REW torque:	50~120g-cm (0.49~1.18mN·m)
Back tension:	1.5~4.5g-cm
Signal to noise ratio:	48±4dB (DC, AC)
Distortion:	Less than 2.5%
Noise:	Less than 9mV (DC, VOL. MAX.)
	Less than 0.5mV (DC, VOL. MIN.)
Channel balance:	0±4dB

Practical Service Figure

<RADIO SECTION>

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(IHF, THD 3%)	FM 15±5dB (100MHz)
(S/N 10dB)	AM 48±3dB (1000kHz)
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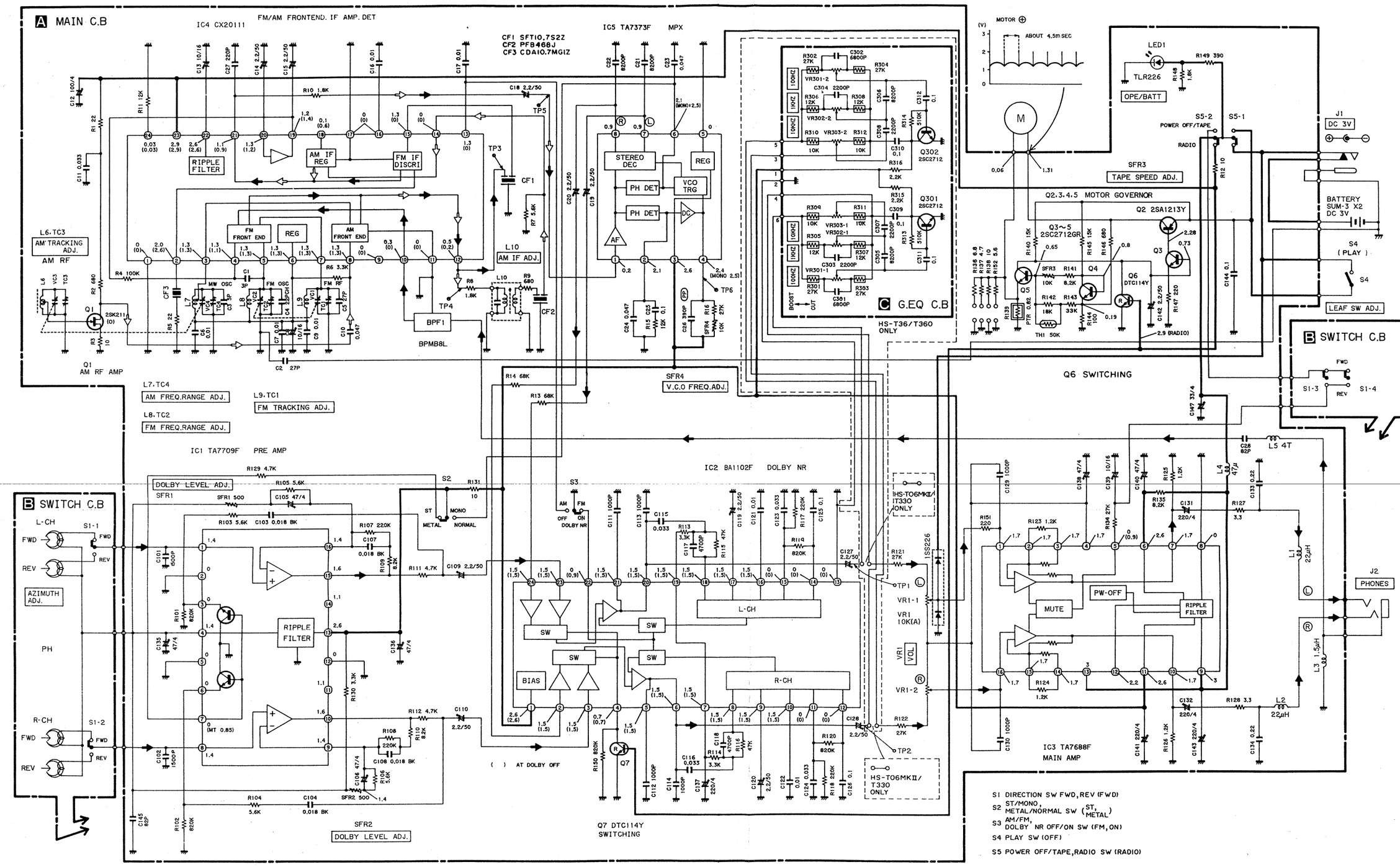
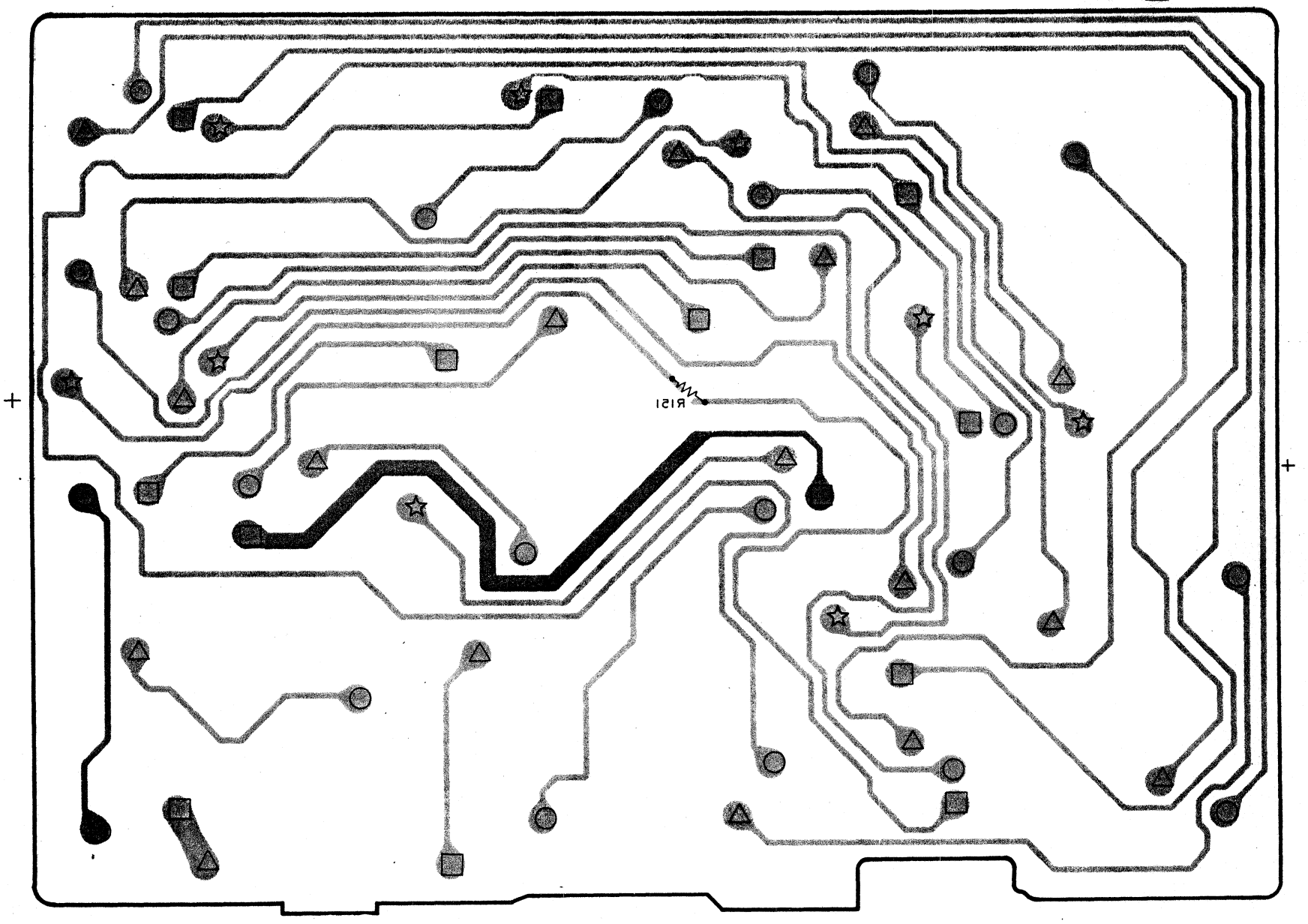
SCHEMATIC DIAGRAM



A MAIN C.B



(Cut off line)

NOTE: TO USE this pattern view, put the (+) mark upon the one of the wiring view.

DISASSEMBLY INSTRUCTIONS

1. Removing Rear Cabinet

1) Remove the 5 screws and the 2 knobs.
(See Figure－1)

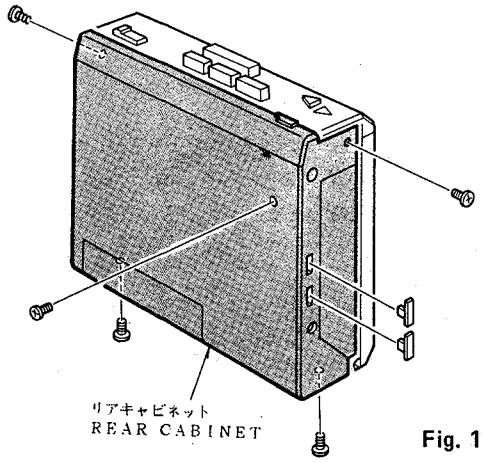


Fig. 1

2. Removing Cassette Lid

1) Remove the 2 screws.
2) Remove the T-spring (Click) and detach the cassette lid in the direction of the arrow. (See Figure－2)

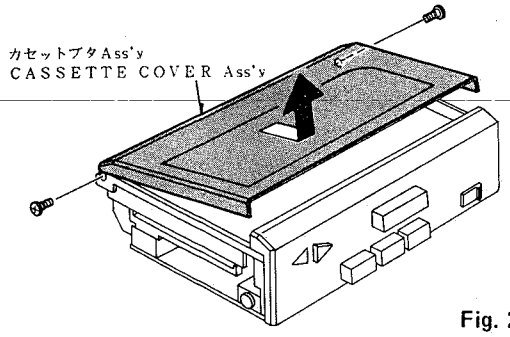


Fig. 2

NOTE) Fix the T-spring (Click) as illustrated.
(See Figure－3)

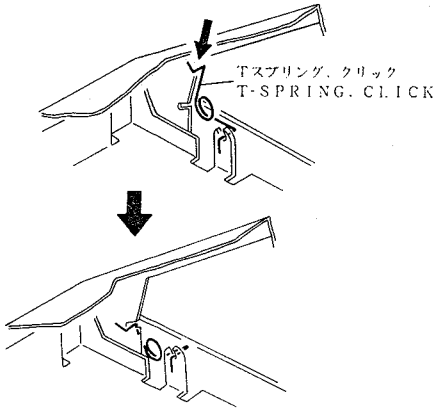


Fig. 3

3. Removing Main circuit board

1) Remove the OPEN knob and the control panel.
2) Remove the screw, loosen the wires and detach in the direction of the arrow. (See Figure－4)

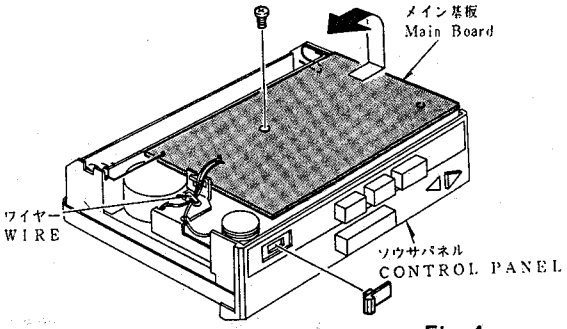


Fig. 4

4. Removing Cassette Frame

1) Unsolder at the battery terminals.
2) Remove the 2 screws A and detach the frame holder.
3) Remove the screw B and detach the cassette frame in the direction of the arrow. (See Figure－5)

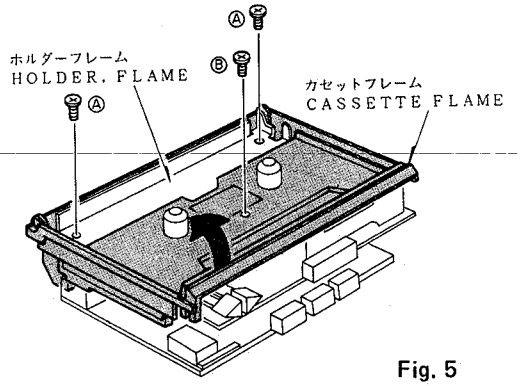


Fig. 5

5. Mounting Control Panel

1) Turn the product upside down and mount the control panel taking care of the FWD and RVS buttons.
(See Figure－6)

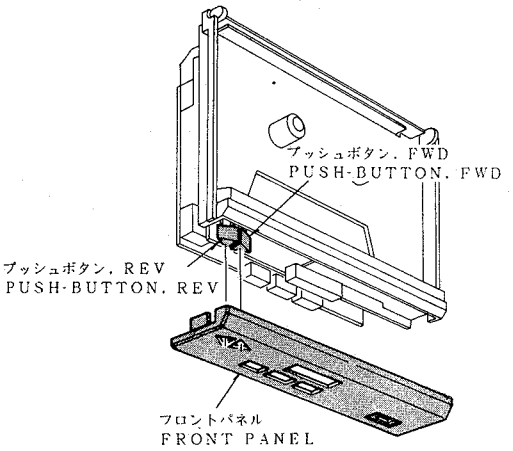
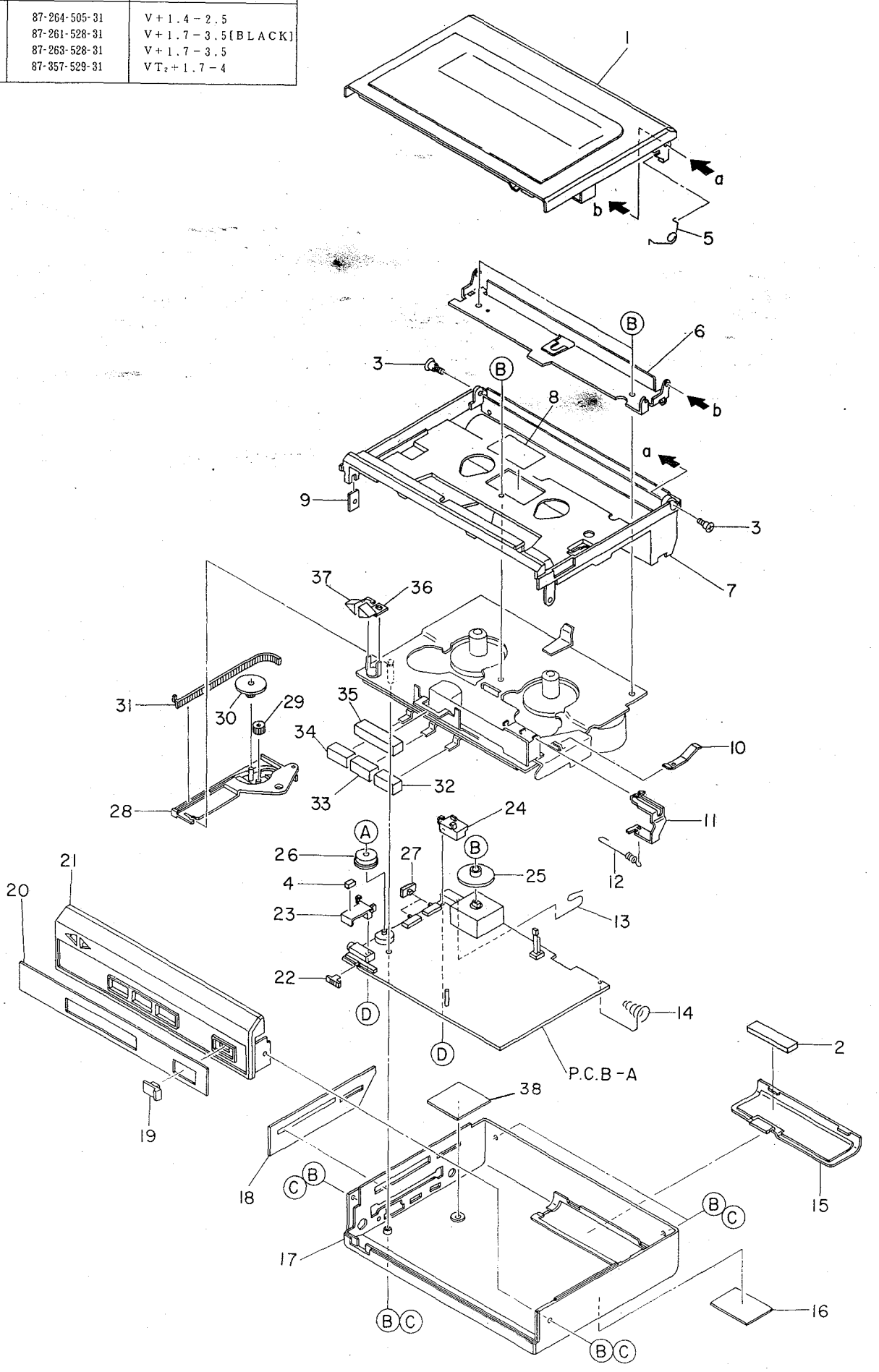


Fig. 6

EXPLODED VIEW-1

Ref. No.	Part No.	Description
A	87-264-505-31	V+1.4-2.5
B	87-261-528-31	V+1.7-3.5[BLACK]
C	87-263-528-31	V+1.7-3.5
D	87-357-529-31	VT_2+1.7-4



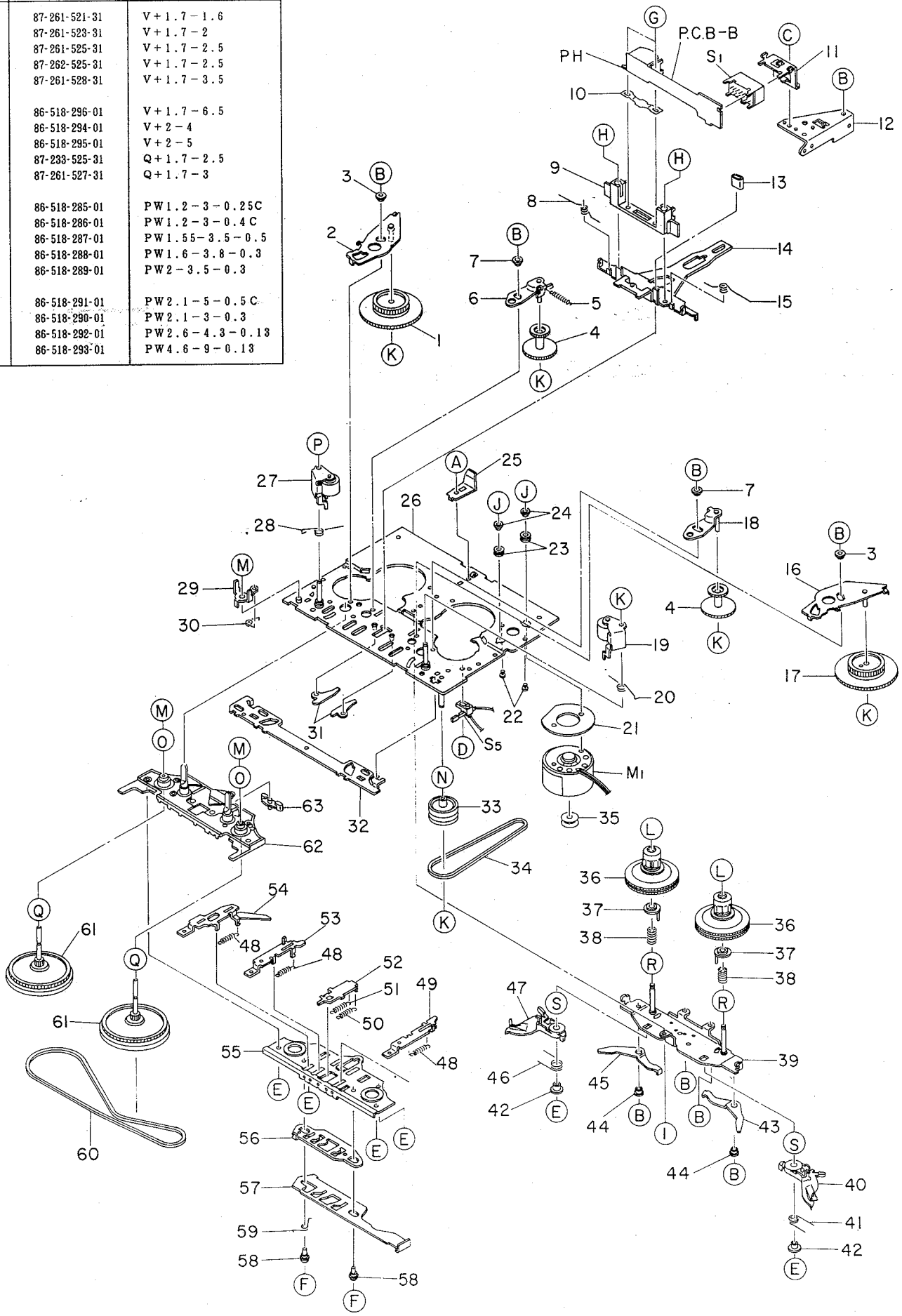
MECHANICAL PARTS LIST

- ※ mark in this part list shows exclusive part.
- ★-mark means less required items availabilities may be limited.
- No availability part is marked with — in Part No. list.
  [S]=SILVER, [R]=RED, [B]=BLACK

Part No. changed to	Ref. No.	Part No.	Description	Common Model	Q'ty
	1-1	09-027-322	CASSETTE LID Ass'y [S]	※	1
		09-027-323	CASSETTE LID Ass'y [R]	※	1
		09-027-324	CASSETTE LID Ass'y [B]	※	1
		09-027-325	CASSETTE LID Ass'y [T200YUS]	※	1
		09-027-326	CASSETTE LID Ass'y [T200YUB]	※	1
	1-2	★82-575-283	M CUSHION 30-8-3		1
	1-3	★82-679-215	SCREW +1.4	HS-P07	2
	1-4	—	G CUSHION 5-3-2		1
	1-5	★84-400-217	T-SPRING, CRICK	※	1
	1-6	—	HOLDER, FLAME		1
	1-7	★84-400-006	FLAME, CASSETTE	※	1
	1-8	★81-532-080	TAPE INDICATION SHEET	CS-R10	1
	1-9	—	PLATE NUT		1
	1-10	★84-400-204	P-SPRING, UP	※	1
	1-11	★84-400-203	SLIDE PLATE, LOCK	※	1
	1-12	★84-400-220	E-SPRING, LOCK	※	1
	1-13	84-400-215	BATTERY TERMINAL (+)	※	1
	1-14	84-400-216	BATTERY TERMINAL (-)	※	1
	1-15	84-400-003	LID, BATTERY [S]	※	1
		84-400-033	LID, BATTERY [R]	※	1
		82-691-028	LID, BATTERY [B]	TP-17	1
	1-16	—	LABEL, SPEC.		1
	1-17	★84-400-002	CABINET, REAR [S]	※	1
		★84-400-032	CABINET, REAR [R]	※	1
		★84-400-037	CABINET, REAR [B]	※	1
	1-18	★84-400-027	WINDOW, DIAL	※	1
	1-19	84-400-016	SLIDE KNOB, OPEN	※	1
	1-20	★84-400-020	NAME PLATE, CONTROL	※	1
	1-21	★84-400-005	PANEL, CONTROL	※	1
	1-22	82-690-031	SLIDE KNOB C	TP-27	1
	1-23	★84-400-214	HOLDER B, BAR ANTENNA	※	1
	1-24	★84-400-213	HOLDER A, BAR ANTENNA	※	1
	1-25	★84-400-211	GEAR, VC	※	1
	1-26	★82-690-012	KNOB, VOLUME	TP-27	1
	1-27	82-691-021	SLIDE KNOB A	TP-17	2
	1-28	★84-400-210	TU FLAME	※	1
	1-29	★84-400-212	GEAR, PINION	※	1
	1-30	★84-400-017	KNOB, TUNING	※	1
	1-31	★84-400-018	POINTER, TUNING	※	1
	1-32	★84-400-011	PUSH-BUTTON, STOP	※	1
	1-33	★84-400-013	PUSH-BUTTON, REW	※	1
	1-34	★84-400-012	PUSH-BUTTON, FF	※	1
	1-35	★84-400-010	PUSH-BUTTON, PLAY	※	1
	1-36	★84-400-014	PUSH-BUTTON, FWD	※	1
	1-37	★84-400-015	PUSH-BUTTON, REV	※	1
	1-38	—	SHEET B		1

EXPLODED VIEW-2

Ref. No.	Part No.	Description
A	87-261-521-31	V+1.7−1.6
B	87-261-523-31	V+1.7−2
C	87-261-525-31	V+1.7−2.5
D	87-262-525-31	V+1.7−2.5
E	87-261-528-31	V+1.7−3.5
F	86-518-296-01	V+1.7−6.5
G	86-518-294-01	V+2−4
H	86-518-295-01	V+2−5
I	87-233-525-31	Q+1.7−2.5
J	87-261-527-31	Q+1.7−3
K	86-518-285-01	PW1.2−3−0.25C
L	86-518-286-01	PW1.2−3−0.4C
M	86-518-287-01	PW1.55−3.5−0.5
N	86-518-288-01	PW1.6−3.8−0.3
O	86-518-289-01	PW2−3.5−0.3
P	86-518-291-01	PW2.1−5−0.5C
Q	86-518-290-01	PW2.1−3−0.3
R	86-518-292-01	PW2.6−4.3−0.13
S	86-518-293-01	PW4.6−9−0.13



Part No. changed to	Ref. No.	Part No.	Description	Common Model	Q'ty
	2-1	★86-518-244	GEAR R, T CAM		1
	2-2	★86-518-242	T GEAR ARM R		1
	2-3	★86-518-241	T ARM COLLAR		2
	2-4	★86-518-247	FF GEAR		2
	2-5	★86-518-248	ARM SPRING, FF GEAR		1
	2-6	★86-518-250	ARM R, FF GEAR		1
	2-7	★86-518-249	COLLAR, ARM		2
	2-8	★86-518-235	SPRING, PINCH ROLLER R		1
	2-9	★86-518-232	TAPE GUIDE		1
	2-10	★86-518-233	HEAD SPRING, CIRCUIT BOARD		1
	2-11	—	SWITCH BLACKET		1
	2-12	—	BLACKET, CIRCUIT BOARD		1
	2-13	—	UL TUBE		1
	2-14	—	HEAD PANEL		1
	2-15	★86-518-234	SPRING, PINCH ROLLER F		1
	2-16	★86-518-238	T GEAR ARM F		1
	2-17	★86-518-239	T GEAR F		1
	2-18	★86-518-246	ARM F, FF GEAR		1
	2-19	86-518-252	PINCH ROLLER ARM F Ass'y		1
	2-20	★86-518-240	ARM F SPRING, T GEAR		1
	2-21	—	M SHIELD PLATE		1
	2-22	★86-518-276	M RUBBER T		2
	2-23	★86-518-272	M RUBBER		2
	2-24	★86-518-273	M COLLAR		2
	2-25	★86-518-206	PAC BEARING PS CIRCUIT BOARD A		1
	2-26	—	CHASSIS Ass'y		1
	2-27	86-518-253	PINCH ROLLER ARM R Ass'y		1
	2-28	★86-518-243	ARM R SPRING, T GEAR		1
	2-29	★86-518-228	REVERSE ARM		1
	2-30	★86-518-229	SPRING, REVERSE		1
	2-31	—	RC ARM		2
	2-32	★86-518-227	SLIDE PLATE		1
	2-33	★86-518-270	HALFWAY PULLEY A		1
	2-34	86-518-275	BELT		1
	2-35	★86-518-271	M PULLEY		1
	2-36	86-518-255	REEL PLATFORM Ass'y A		2
	2-37	★86-518-257	DETECTION PLATE A		2
	2-38	★86-518-258	B. T SPRING A		2
	2-39	—	PLATE, REEL PLATFORM		1
	2-40	★86-518-259	AUTO LEVER F		1
	2-41	★86-518-260	SPRING, AUTO LEVER F		1
	2-42	★86-518-261	COLLAR, AUTO LEVER		2
	2-43	★86-518-264	AUTO CONTROL ARM F		1
	2-44	★86-518-266	COLLAR, AUTO CONTROL		2
	2-45	★86-518-265	AUTO CONTROL ARM R		1
	2-46	★86-518-263	SPRING, AUTO LEVER R		1
	2-47	★86-518-262	AUTO LEVER R		1
	2-48	★86-518-220	SPRING, LEVER		3
	2-49	★86-518-213	FF LEVER F		1
	2-50	★86-518-222	SPRING, RC		1
	2-51	★86-518-221	SPRING, HP		1
	2-52	★86-518-212	HP PLATE		1
	2-53	★86-518-214	FF LEVER R		1
	2-54	★86-518-215	STOP LEVER		1
	2-55	—	HOLDER, PLATE		1
	2-56	★86-518-225	LOCK ACTUATING PLATE		1
	2-57	★86-518-217	SW ACTUATING PLATE		1
	2-58	★86-518-218	COLLAR, ACTUATING PLATE		2
	2-59	★86-518-223	SPRING, ACTUATING PLATE		1
	2-60	86-518-274	BELT		1
	2-61	86-518-268	FLYWHEEL Ass'y		2
	2-62	—	BUTTON BASE Ass'y B		1
	2-63	★86-518-224	FF CONTROL ARM		1

■ACCESSORIES/PACKAGE LIST

Part No. changed to	Ref. No.	Part No.	Description	Common Model	Q'ty	
	1	★84-400-904	INSTRUCTION BOOKLET (EXCEPT YU)	※	1	
	2	★84-400-905	INSTRUCTION BOOKLET (YU only)	※	1	
	3	★87-048-118	HP-M10(L) MK. 2		1	
	4	★87-080-020	BELT HANGER B Ass'y GY		1	

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